AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A computing apparatus comprising:

a pointer storage section storing <u>a</u> pointer for specifying [[the]] <u>an</u> execution section <u>for</u> <u>execution of</u> ~~executing~~ computation<u>;</u>[[,]]

~~a pointer management section changing the pointer stored by the pointer storage section~~ ~~according to the predetermined change condition,~~

a data storage section capable of storing data ~~used for said execution without change even~~ ~~if said pointer has been changed,~~<u>;</u>

an execution instruction section causing the execution section specified by the pointer stored in said pointer storage section to execute computation [[by]] using the data stored in said data storage section[[.]] <u>; and</u>

<u>a pointer management section changing the pointer stored in said pointer storage section</u> <u>from a first pointer to a second pointer, the first pointer specifying a first execution section and</u> <u>the second pointer specifying a second execution section,</u>

<u>wherein said data storage section is capable of keeping the data stored, after the pointer is</u> <u>changed by said pointer management section, such that said execution instruction section causes</u> <u>the second execution section to execute computation using the data that has been used by the first</u> <u>execution section.</u>

2. (Currently Amended) The computing apparatus according to ~~as defined in~~ claim 1, wherein said pointer management section ~~further has functions~~ includes a function of ~~adding and~~ deleting the pointer stored in said pointer storage section and a function of adding another pointer to said pointer storage section. ~~according to the predetermined condition,~~

3. (Currently Amended) The computing apparatus according to ~~as defined in~~ claim 1, wherein said pointer management section [[has]] includes a function ~~execution section re-reading means~~ of re-reading the execution section, ~~and said pointer is changed so as to specify the execution section re-read by said execution section re-reading means~~ by reading the second execution section in place of the first execution section.

4. (Currently Amended) The computing apparatus according to ~~as defined in~~ claim [[3]] 1, wherein said pointer management section ~~execution section re-reading means~~ further has a function of reading [[reads]] a data conversion execution section for converting data stored in [[by]] the data storage section.

5. (Currently Amended) The computing apparatus according to ~~as defined in~~ claim [[3]] 1, wherein said data storage section is capable of storing ~~stores version~~ information[[,]] of a version of the data, and said execution section ~~executes computing according to said version information~~ is capable of executing computation using the data in accordance with the version indicated by the information.

6. (Currently Amended) The computing apparatus <u>according to</u> ~~as defined in~~ claim [[2]] <u>1,</u> wherein said pointer management section ~~comprises an execution section adding means~~ <u>includes</u> <u>a function</u> of adding <u>another</u> [[the]] execution section, and ~~adds the~~ <u>a function of adding another</u> pointer specifying [[the]] <u>said another</u> execution section ~~added by said execution section adding means~~ to said pointer storage section.

7. (Currently Amended) The computing apparatus <u>according to</u> ~~as defined in~~ claim [[2]] <u>1,</u> wherein said pointer management section ~~comprises a execution section deleting means~~ <u>includes</u> <u>a function</u> of deleting the execution section, and ~~deletes or changes~~ <u>a function of deleting or</u> <u>changing</u> said pointer <u>stored in said pointer storage section, said pointer</u> specifying the execution section deleted ~~by said execution section deleting means~~.

8. (Currently Amended) A computing program causing computer to execute ~~the following~~ ~~steps~~:

~~a pointer storage step of~~ storing, <u>in a pointer storage section,</u> a pointer for specifying [[the]] <u>an</u> execution section <u>for execution of</u> ~~executing~~ computation<u>;</u>[[,]]

~~a pointer management step of changing the pointer stored by the pointer storage step~~ ~~according to the predetermined change condition;~~

~~a data storage step of~~ storing<u>. In a data storage section,</u> data<u>;</u> ~~used for said execution~~ ~~without change even if said pointer has been changed, and~~

~~an execution instruction step of~~ causing the execution section specified by the pointer stored [[by]] <u>in</u> said pointer storage [[step]] <u>section</u> to execute computation [[by]] using the data stored ~~by the~~ <u>in said</u> data storage [[step]] <u>section</u> ~~according to the predetermined execution~~

~~condition;~~ and

changing the pointer stored in said pointer storage section from a first pointer to a second

pointer, the first pointer specifying a first execution section and the second pointer specifying a

second execution section,

wherein the data in said data storage section is kept stored, after the pointer is changed,

such that said causing causes the second execution section to execute computation using the data

that has been used by the first execution section.

9. (Currently Amended) A computing method comprising:

~~a pointer storage step of~~ storing, in a pointer storage section, a pointer for specifying

[[the]] an execution section for execution of ~~executing~~ computation;[[,]]

~~a pointer management step of changing the pointer stored by the pointer storage step~~

~~according to the predetermined change condition;~~

~~a data storage step of~~ storing, in a data storage section, data; ~~used for said execution~~

~~without change even if said pointer has been changed, and~~

~~an execution instruction step of~~ causing the execution section specified by the pointer

stored [[by]] in said pointer storage [[step]] section to execute computation [[by]] using the data

stored ~~by the~~ in said data storage [[step]] section ~~according to the predetermined execution~~

~~condition;~~ and

changing the pointer stored in said pointer storage section from a first pointer to a second

pointer, the first pointer specifying a first execution section and the second pointer specifying a

second execution section,

wherein the data in said data storage section is kept stored, after the pointer is changed,

such that said causing causes the second execution section to execute computation using the data that has been used by the first execution section.

10. (New) The computing apparatus according to claim 1,

wherein the computing apparatus is connected to a network, and the data stored in said data storage section includes at least one of: data received from the network; data transmitted to the network; and data computed based on the data received and/or the data transmitted.

11. (New) The computing apparatus according to claim 1,

wherein the computing apparatus is connected to a network, and the data stored in said data storage section includes routing information in the network, the routing information being used in selecting a network interface for transmitting a packet received from the network.

12. (New) The computing apparatus according to claim 1,

wherein said pointer management section includes a function of reading the second execution section in place of the first execution section, the second execution section being free from a bug contained in the first execution section and/or including a new function in addition to functions included in the first execution section.